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OM protein - protein search, using sw model

Run on: February 13, 2004, 10:17:06 ; Search time 26.3409 Seconds
(without alignments)
97.983 Million cell updates/sec

Title: US-09-580-201a-12
Perfect score: 325
Sequence: 1 MRLPVLILLLLLTASAGV.....ILRGILRNGVCCGYKLCHPC 61

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/prodata/1/1aa/5A_COMB.pep: *
2: /cgn2_6/prodata/1/1aa/5B_COMB.pep: *
3: /cgn2_6/prodata/1/1aa/6A_COMB.pep: *
4: /cgn2_6/prodata/1/1aa/6B_COMB.pep: *
5: /cgn2_6/prodata/1/1aa/PCTUS_COMB.pep: *
6: /cgn2_6/prodata/1/1aa/backfiles1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	DB ID	Description
1	65.5	20.2	491	4	US-09-252-991A-17979
2	63.5	19.5	114	4	US-09-252-991A-22907
3	62	19.1	69	1	US-08-137-800-40
4	62	19.1	69	1	US-08-477-383-40
5	62	19.1	69	1	US-08-487-174-40
6	62	19.1	69	1	US-08-480-750-40
7	60.5	18.6	415	4	US-09-252-991A-33056
8	60.5	18.6	469	1	US-08-313-288B-15
9	60	18.3	378	1	US-07-723-002C-8
10	59.5	18.3	184	3	US-08-149-101A-23
11	59.5	18.3	184	5	PCT-US94-12873-23
12	59	18.2	539	4	US-09-252-991A-19631
13	58.5	18.0	263	4	US-09-811-672-10
14	58.5	18.0	787	1	US-08-256-938-4
15	58.5	18.0	787	1	US-08-797-689-16
16	57	17.5	207	3	US-08-974-022-47
17	57	17.5	207	3	US-08-795-445A-47
18	57	17.5	207	3	US-08-795-447A-47
19	57	17.5	207	3	US-08-974-186-47
20	57	17.5	207	3	US-08-795-446B-47
21	57	17.5	207	3	US-08-706-945D-133
22	57	17.5	325	1	US-08-292-549-2
23	57	17.5	325	3	US-09-042-785A-9
24	57	17.5	325	5	PCT-US91-02207-2
25	57	17.5	323	4	US-09-328-352-7167
26	56.5	17.4	524	4	US-09-252-991A-27783
27	56.5	17.4	884	4	US-09-252-991A-26707

28 56 17.2 174 1 US-08-434-411-2 Sequence 2, Appli
29 56 17.2 174 1 US-08-434-402-2 Sequence 2, Appli
30 56 17.2 174 1 US-08-783-288-2 Sequence 2, Appli
31 56 17.2 174 2 US-08-890-640-2 Sequence 2, Appli
32 56 17.2 174 3 US-08-833-167-49 Sequence 49, Appli
33 56 17.2 174 3 US-08-833-167-50 Sequence 50, Appli
34 56 17.2 174 3 US-08-833-167-51 Sequence 51, Appli
35 56 17.2 174 3 US-08-833-167-52 Sequence 52, Appli
36 56 17.2 174 3 US-08-833-167-53 Sequence 53, Appli
37 56 17.2 174 3 US-08-833-167-54 Sequence 54, Appli
38 56 17.2 174 3 US-08-833-167-55 Sequence 55, Appli
39 56 17.2 174 3 US-08-833-167-56 Sequence 56, Appli
40 56 17.2 174 3 US-08-833-167-95 Sequence 95, Appli
41 56 17.2 174 3 US-08-833-167-96 Sequence 96, Appli
42 56 17.2 174 3 US-08-833-167-97 Sequence 97, Appli
43 56 17.2 174 3 US-08-833-167-98 Sequence 98, Appli
44 56 17.2 174 3 US-08-833-167-99 Sequence 99, Appli
45 56 17.2 174 3 US-08-833-167-100 Sequence 100, App

ALIGNMENTS

RESULT 1
US-09-252-991A-17979
; Sequence 17979, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17979
; LENGTH: 491
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17979

Query Match 20.2%; Score 65.5; DB 4; Length 491;
Best Local Similarity 36.7%; Pred. No. 4.2;
Matches 18; Conservative 9; Mismatches 17; Indels 5; Caps 1;

Qy 5 PVLIIILLLTASAGVVVLEKTEDDVPMSV-----YGNKGKSLRGILR 48
Db 441 PVILDSYANTSSAGSVIALHKHODLDFSGAIGVLSFGAGYSIGSVILR 489

RESULT 2
US-09-252-991A-22907
; Sequence 22907, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 22907
; LENGTH: 114
; TYPE: PRT

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; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22907

Query Match      19.5%; Score 63.5; DB 4; Length 114;
Best Local Similarity 32.7%; Pred. No. 1.1;
Matches 18; Conservative 7; Mismatches 19; Indels 11; Gaps 3;

QY 15 ASAPGVVLPKTEDDVPMSSVY--GNKXSTLRGILNGV-----CCGYKLCH 59
Db 1 AKMPQIVLPHA-DHCPGAVFAKPGETILDAALRNGIEIHACEKSCACTTCH 54

RESULT 3
US-08-137-800-40
; Sequence 40, Application US/08137800
; Patent No. 5514774
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Santos, Ameurfino S.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue N.W., Suite 1000
; CITY: Washington
; STATE: DC
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/137,800
; FILING DATE: 19-OCT-1993
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-104763
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 69 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus striatus
US-08-137-800-40

Query Match      19.1%; Score 62; DB 1; Length 69;
Best Local Similarity 28.3%; Pred. No. 1.1;
Matches 17; Conservative 11; Mismatches 26; Indels 6; Gaps 3;

QY 6 VLIIILLTASAPGVVLPKTE-DDVPMSSVYGNKXILRGILNGVCCGY---KLCHPC 61
Db 5 MMFTVLLVLTATNWSTPDRASDGRNAAVHERQKSLVPSVIT--TCCGYDPTGTCPPC 62

RESULT 4
US-08-477-383-40
; Sequence 40, Application US/08477383
; Patent No. 5589340
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Santos, Ameurfino S.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
```

```
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: Macintosh, J. Michael
; APPLICANT: Santos, Ameurfino S.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,383
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/137,800
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/084,848
; FILING DATE: 29-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-107673
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 69 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus striatus
US-08-477-383-40

Query Match      19.1%; Score 62; DB 1; Length 69;
Best Local Similarity 28.3%; Pred. No. 1.1;
Matches 17; Conservative 11; Mismatches 26; Indels 6; Gaps 3;

QY 6 VLIIILLTASAPGVVLPKTE-DDVPMSSVYGNKXILRGILNGVCCGY---KLCHPC 61
Db 5 MMFTVLLVLTATNWSTPDRASDGRNAAVHERQKSLVPSVIT--TCCGYDPTGTCPPC 62

RESULT 5
US-08-487-174-40
; Sequence 40, Application US/08487174
; Patent No. 5595972
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: Macintosh, J. Michael
; APPLICANT: Santos, Ameurfino S.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
```

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; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,174
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/137,800
; FILING DATE: 19-OCT-1993
; APPLICATION DATA:
; APPLICATION NUMBER: US 08/084,848
; FILING DATE: 29-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-107673
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 69 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus striatus
; US-08-487-174-40
;
; Query Match 19.1%; Score 62; DB 1; Length 69;
; Best Local Similarity 28.3%; Pred. No. 1.1;
; Matches 17; Conservative 11; Mismatches 26; Indels 6; Gaps 3;
;
; QY 6 VLIILLITASAPGVVLPKTE-DDVPMSSVYGNKSLILGILNGVCCGY---KLCHPC 61
; DB 5 MMFTVELLVLTATNVVSTPSDRASGRNAVHERQKSLVPSVIT--TCCGYDPGTMCPPC 62
;
; RESULT 6
; US-08-480-750-40
; Sequence 40, Application US/08480750
; Patent No. 5633347
; GENERAL INFORMATION:
; APPLICANT: Olivera, Balomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: Macintosh, J. Michael
; APPLICANT: Santos, Ameurfino S.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,750
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/137,800
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/084,848
; FILING DATE: 29-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-107673
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 69 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus striatus
; US-08-480-750-40
;
; Query Match 19.1%; Score 62; DB 1; Length 69;
; Best Local Similarity 28.3%; Pred. No. 1.1;
; Matches 17; Conservative 11; Mismatches 26; Indels 6; Gaps 3;
;
; QY 6 VLIILLITASAPGVVLPKTE-DDVPMSSVYGNKSLILGILNGVCCGY---KLCHPC 61
; DB 5 MMFTVELLVLTATNVVSTPSDRASGRNAVHERQKSLVPSVIT--TCCGYDPGTMCPPC 62
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; RESULT 7
; US-09-252-991A-33056
; Sequence 33056, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107195.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 33056
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-33056
;
; Query Match 18.6%; Score 60.5; DB 4; Length 415;
; Best Local Similarity 29.8%; Pred. No. 14;
; Matches 17; Conservative 10; Mismatches 23; Indels 7; Gaps 2;
;
; QY 1 MRCLPVLIILLITASAPGVV---LPKTEDDVPMSSVYGNKSLILGILNGVCC 53
; DB 24 IRRCKASAMLVL---PAPGAVAWIDGFPSTGADMKAAFFSRRRSIMRGRADGPPC 77
;
; RESULT 8
; US-08-313-288B-15
; Sequence 15, Application US/08313288B
; Patent No. 5750502
; GENERAL INFORMATION:
; APPLICANT: Jessell, Thomas M. and AviHu Klar
; TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
; TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN

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;
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,288B
; FILING DATE: January 5, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 40028-A-PCT-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0526
; TELEX:
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 469 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
; HYPOTHEtical: NO
; ANTI-SENSE: NO
; US-08-313-288B-15

Query Match 18.6%; Score 60.5; DB 1; Length 469;
Best Local Similarity 29.2%; Pred.No.17;
Matches 21; Conservative 7; Mismatches 21; Indels 23; Gaps 4;

QY 4 LPVLIILLTASAGVVLPTKTDVPMSSVYGNKSLRGLRNGV-----CC-----G 54
DB 13 LPVLIILLTLPATG-----SDPVLCFTQVESSGKCKGLLGGVSVEDCCLNTAFA 63

QY 55 YK-----LCHPC 61
DB 64 YQKRSGLCQPC 75

RESULT 9
; Sequence 8, Application US/07723002C
; Patent No. 5447862
; GENERAL INFORMATION:
; APPLICANT: Heim, Jutta
; APPLICANT: Meyhack, Bernd
; APPLICANT: Gysler, Christof
; APPLICANT: Visser, Jacob
; APPLICANT: Keater, Hermanus Cornelis Maria
; TITLE OF INVENTION: No. 5447862el Expression System
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/723,002C
; FILING DATE: 28-JUN-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 8702475
; FILING DATE: 04-FEB-1987
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 150,880
; FILING DATE: 29-JAN-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 8818046.8
; FILING DATE: 28-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 8914666.6
; FILING DATE: 26-JUN-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 384,898
; FILING DATE: 24-JUL-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Foley, Shawn P.
; REGISTRATION NUMBER: 33,071
; REFERENCE/DOCKET NUMBER: 4-16317/+CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919)541-8615
; TELEFAX: (919)541-8689
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 378 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-723-002C-8

Query Match 18.5%; Score 60; DB 1; Length 378;
Best Local Similarity 34.6%; Pred.No.15;
Matches 18; Conservative 5; Mismatches 21; Indels 8; Gaps 1;

QY 9 ILLIITASAGVVLPTKTDVPMSSV-----YGNKSLRGLRNGVC 52
DB 49 LVSLLEDEPQVLLTTFDFTGTTTBDGAPWGTGKSLAINSGWC 100

RESULT 10
US-08-149-101A-23
; Sequence 23, Application US/08149101A
; Patent No. 6171824
; GENERAL INFORMATION:
; APPLICANT: Todaro, George J.
; APPLICANT: Leung, David W.
; APPLICANT: Rose, Timothy M.
; TITLE OF INVENTION: HYBRID CYTOKINES
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cell Therapeutics, Inc.
; STREET: 200 Elliott Avenue West, Suite 400
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98119
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" disk, 1.44Mb, double side, high density
; COMPUTER: AST-IBM Compatible
; OPERATING SYSTEM: MS-DOS Version 6
; SOFTWARE: WORD for WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/149,101A
; FILING DATE: 8-No. 6171824-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US08/097,869
; FILING DATE: 27-Jul-1993
; ATTORNEY/AGENT INFORMATION:
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; NAME: Oster, Jeffrey B. and Faciszewski, Stephen
; REGISTRATION NUMBER: 32,585 and 36,131, respectively
; REFERENCE/DOCKET NUMBER: 0105A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)282-7100
; TELEFAX: (206)284-6206
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 184
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: no
; ANTI-SENSE: no
; FRAGMENT TYPE:
; ORIGINAL SOURCE:
; ORGANISM: homo sapien
;
US-08-149-101A-23

Query Match      18.3%; Score 59.5; DB 3; Length 184;
Best Local Similarity 40.4%; Pred. No. 7.2;
Matches 21; Conservative 4; Mismatches 13; Gaps 4;

QY 22 VLPKTED--DV-----PMSSVYNGKS---ILRGI--LRNGVCCGYKLCHP 60
DB 2 LVPPGEDSKDVAAPHRQPLTSERIDKQIRYILDGIALRKETCATYKLCHP 53

RESULT 11
PCT-US94-12873-23
; Sequence 23, Application PC/TUS9412873
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: HYBRID CYTOKINES
; NUMBER OF SEQUENCES: 26
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" diskette, 1.44MB, double side, high density
; OPERATING SYSTEM: MS-DOS Version 6
; SOFTWARE: WORD for WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/12873
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 184
; TYPE: amino acid
; TOPOLOGY: linear
;
PCT-US94-12873-23

Query Match      18.3%; Score 59.5; DB 5; Length 184;
Best Local Similarity 40.4%; Pred. No. 7.2;
Matches 21; Conservative 4; Mismatches 14; Indels 13; Gaps 4;

QY 22 VLPKTED--DV-----PMSSVYNGKS---ILRGI--LRNGVCCGYKLCHP 60
DB 2 LVPPGEDSKDVAAPHRQPLTSERIDKQIRYILDGIALRKETCATYKLCHP 53

RESULT 12
US-09-252-991A-19631
; Sequence 19631, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
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; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19631
; LENGTH: 539
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
;
US-09-252-991A-19631

Query Match      18.2%; Score 59; DB 4; Length 539;
Best Local Similarity 38.7%; Pred. No. 31;
Matches 12; Conservative 6; Mismatches 13; Indels 0; Gaps 0;

QY 7 LIILLLTASAPGVVLPKTEDDVPMSVYG 37
DB 508 LFNLCAROSVPGMVSVTETAYDIPCTSIYG 538

RESULT 13
US-09-811-672-10
; Sequence 10, Application US/09811672
; Patent No. 6559120
; GENERAL INFORMATION:
; APPLICANT: BALL, Tanja
; APPLICANT: VRTALA, Susanne
; APPLICANT: SPERR, Wolfgang
; APPLICANT: VALENT, Peter
; APPLICANT: SUSANI, Markus
; APPLICANT: KRAFT, Dietrich
; APPLICANT: VALENTA, Rudolf
; APPLICANT: LAFFER, Sylvia
; TITLE OF INVENTION: RECOMBINANT ALLERGEN, FRAGMENTS THEREOF, CORRESPONDING RECOMBINANT
; TITLE OF INVENTION: MOLECULES, VECTORS AND HOSTS CONTAINING THE DNA MOLECULES, DIAGN
; TITLE OF INVENTION: THERAPEUTIC USES OF SAID ALLERGENS AND FRAGMENTS
; FILE REFERENCE: 1614-0247P
; CURRENT APPLICATION NUMBER: US/09/811,672
; CURRENT FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 10
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Timothy Grass
;
US-09-811-672-10

Query Match      18.0%; Score 58.5; DB 4; Length 263;
Best Local Similarity 28.6%; Pred. No. 15;
Matches 18; Conservative 9; Mismatches 23; Indels 13; Gaps 2;

QY 4 LPVLILLLTASAPGVVLPKTEDDVPMSVYGN-----GKSILRILNGVCC 53
DB 8 LLVVLFVAVFLGSAYGi---PKVPPGPNTATYGDKLDKSTWYGRKPTGAGPKDNGGAC 64

QY 54 GYK 56
DB 65 GYK 67

RESULT 14
US-08-256-938-4
; Sequence 4, Application US/08256938
; Patent No. 5655863
; GENERAL INFORMATION:
; APPLICANT: Yeh, Patrice
; TITLE OF INVENTION: NEW POLYPEPTIDES HAVING GRANULOCYTE
; TITLE OF INVENTION: COLONY STIMULATING ACTIVITY, PREPARATION THEREOF AND
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING SAID POLYPEPTIDES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Road, 3C43
; CITY: Collegeville
```

STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.0 (Patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,938
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PR 92/01065
FILING DATE: 31-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Goodman, Rosanne
REGISTRATION NUMBER: 32,534
REFERENCE/DOCKET NUMBER: ST92007-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3817
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 787 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-256-938-4

Query Match 18.0%; Score 58.5; DB 1; Length 787;
Best Local Similarity 29.9%; Pred. No. 56;
Matches 20; Conservative 8; Mismatches 20; Indels 19; Gaps 3;
QY 8 IILLITASAPGVVLPKT-----EDVPMS-----SVYNGKSIILRGILNGVCC 53
Db 7 ISLLFLFSAYSRGVFRRTPLGPASSLPQSFLKLCLEQVRKIQGDGA-----LQEKLC 61
QY 54 GYKLCHP 60
Db 62 TYKLCHP 68

RESULT 15
US-08-797-689-16
Sequence 16, Application US/08797689
Patent No. 5876969
GENERAL INFORMATION:
APPLICANT: Fleer, Reinhard
APPLICANT: Fournier, Alain
APPLICANT: Guitten, Jean-Dominique
APPLICANT: Jung, Gerard
APPLICANT: Yen, Patrice
TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
TITLE OF INVENTION: CONTAINING SAID POLYPEPTIDES
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.1 (Patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/797,689
FILING DATE: 31-JAN-1997
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/256,927
FILING DATE: 28-JUL-1994
APPLICATION NUMBER: PR 92/01064
FILING DATE: 31-JAN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 787 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-797-689-16
Query Match 18.0%; Score 58.5; DB 2; Length 787;
Best Local Similarity 29.9%; Pred. No. 56;
Matches 20; Conservative 8; Mismatches 20; Indels 19; Gaps 3;
QY 8 IILLITASAPGVVLPKT-----EDVPMS-----SVYNGKSIILRGILNGVCC 53
Db 7 ISLLFLFSAYSRGVFRRTPLGPASSLPQSFLKLCLEQVRKIQGDGA-----LQEKLC 61
QY 54 GYKLCHP 60
Db 62 TYKLCHP 68
Search completed: February 13, 2004, 10:23:07
Job time : 27.3409 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 13, 2004, 10:17:06 : Search time 5.61364 Seconds
(without alignments)
97.983 Million cell updates/sec

Title: US-09-580-201A-2
Perfect score: 73
Sequence: 1 NGVCGXKXLCXC 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	43	58.9	118	4	US-09-252-991A-24721
2	43	58.9	1917	4	US-09-627-650B-5
3	43	58.9	1917	4	US-09-436-063C-5
4	41.5	56.8	768	1	US-08-454-455-4
5	41	56.2	212	4	US-08-252-991A-30583
6	41	56.2	574	1	US-08-049-473-2
7	41	56.2	574	1	US-08-312-648-2
8	41	56.2	574	5	PCT-US94-04190-2
9	39	53.4	2211	4	US-09-738-884-1
10	38.5	52.7	26	3	US-09-073-407-9
11	38.5	52.7	26	3	US-09-073-407-12
12	38	52.1	485	2	US-08-724-394A-8
13	38	52.1	801	1	US-07-966-349A-6
14	38	52.1	1312	4	US-09-554-572-26
15	38	52.1	1345	2	US-08-977-767-3
16	38	52.1	1417	4	US-08-900-230-3
17	38	52.1	2088	4	US-08-548-372D-13
18	38	52.1	2088	4	US-08-548-367D-13
19	38	52.1	2088	4	US-08-551-853D-13
20	37.5	51.4	26	3	US-08-073-407-11
21	37	50.7	1128	4	US-09-627-650B-11
22	37	50.7	1128	4	US-08-436-063C-11
23	37	50.7	1404	4	US-08-801-308-1
24	37	50.7	1652	4	US-08-627-650B-1
25	37	50.7	1652	4	US-09-436-063C-1
26	37	50.7	2508	4	US-08-627-650B-7
27	37	50.7	2508	4	US-08-436-063C-7

28	37	50.7	2544	4	US-09-627-650B-3	Sequence 3, Appli
29	37	50.7	2544	4	US-09-436-063C-3	Sequence 3, Appli
30	37	50.7	2601	4	US-09-627-650B-9	Sequence 9, Appli
31	37	50.7	2601	4	US-09-436-063C-9	Sequence 9, Appli
32	36.5	50.0	25	1	US-08-084-848A-4	Sequence 4, Appli
33	36.5	50.0	25	1	US-08-458-499-4	Sequence 4, Appli
34	36.5	50.0	26	3	US-09-073-407-10	Sequence 10, Appli
35	36.5	50.0	1810	4	US-08-793-273C-4	Sequence 4, Appli
36	36.5	50.0	1810	5	PCT-US95-11684-4	Sequence 4, Appli
37	36	49.3	18	1	US-08-084-848A-6	Sequence 6, Appli
38	36	49.3	18	1	US-08-458-499-6	Sequence 6, Appli
39	36	49.3	38	1	US-07-609-716-53	Sequence 53, Appli
40	36	49.3	44	3	US-09-046-894-41	Sequence 41, Appli
41	36	49.3	44	3	US-09-046-894-42	Sequence 42, Appli
42	36	49.3	158	4	US-09-663-600A-104	Sequence 104, App
43	36	49.3	413	4	US-09-663-600A-198	Sequence 198, App
44	36	49.3	441	2	US-08-491-835-4	Sequence 4, Appli
45	36	49.3	441	3	US-08-946-092A-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-09-252-991A-24721
; Sequence 24721, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24721
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24721

Query Match 58.9%; Score 43; DB 4; Length 118;
Best Local Similarity 46.2%; Pred. No. 23;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 NGVCGXKXLCXC 13
Db 70 SGAFGCMGVCHCC 82

RESULT 2
US-09-627-650B-5
; Sequence 5, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematoe Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: 21101.00093
; CURRENT APPLICATION NUMBER: US/09/627,650B
; CURRENT FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 09/436,063
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5

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/ LENGTH: 1917
/ TYPE: PRT
/ ORGANISM: Caenorhabditis elegans
US-09-627-650B-5

Query Match      58.9%; Score 43; DB 4; Length 1917;
Best Local Similarity 50.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 GVCXGXXLCHXC 13
Db 901 GTCCGTGTCCAC 912

RESULT 3
US-09-436-063C-5
/ Sequence 5, Application US/09436063C
/ Patent No. 6407210
/ GENERAL INFORMATION:
/ APPLICANT: Bamber, Bruce
/ TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
/ FILE REFERENCE: P-1095Corrected
/ CURRENT APPLICATION NUMBER: US/09/436,063C
/ PRIOR FILING DATE: 1999-11-08
/ PRIOR APPLICATION NUMBER: 60/107727
/ PRIOR FILING DATE: 1998-11-09
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: Patent Ver. 2.1
/ SEQ ID NO 5
/ LENGTH: 1917
/ TYPE: PRT
/ ORGANISM: Caenorhabditis elegans
US-09-436-063C-5

Query Match      58.9%; Score 43; DB 4; Length 1917;
Best Local Similarity 50.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 GVCXGXXLCHXC 13
Db 901 GTCCGTGTCCAC 912

RESULT 4
US-08-454-455-4
/ Sequence 4, Application US/08454455
/ Patent No. 5635601
/ GENERAL INFORMATION:
/ APPLICANT: Moyle, Matthew
/ APPLICANT: McLean, John W.
/ TITLE OF INVENTION: NOVEL BETA INTEGRIN SUBUNIT
/ NUMBER OF SEQUENCES: 9
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Genentech, Inc.
/ STREET: 460 Point San Bruno Blvd
/ CITY: South San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94080
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5 inch, 720 Kb floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: WinPatIn (Genentech)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/454,455
/ FILING DATE: 30-May-1995
/ CLASSIFICATION: 530
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/193989
/ FILING DATE: 09-FEB-1994
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/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/004142
/ FILING DATE: 13-JAN-1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 07/670607
/ FILING DATE: 14-MAR-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Lee, Wendy M.
/ REGISTRATION NUMBER: 00,000
/ REFERENCE/DOCKET NUMBER: P0699C2D2
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 415/225-1994
/ TELEFAX: 415/952-9881
/ TELEX: 910/371-7168
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 768 amino acids
/ TYPE: Amino Acid
/ TOPOLOGY: Linear
US-08-454-455-4

Query Match      56.8%; Score 41.5; DB 1; Length 768;
Best Local Similarity 72.7%; Pred. No. 1.7e+02;
Matches 8; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 2 GVC-CGXXLCH 11
Db 524 GVCVCGKCLCH 534

RESULT 5
US-09-252-991A-30583
/ Sequence 30583, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 30583
/ LENGTH: 212
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30583

Query Match      56.2%; Score 41; DB 4; Length 212;
Best Local Similarity 55.8%; Pred. No. 68;
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 5 CGXXLCHXC 13
Db 76 CGQGICHAC 84

RESULT 6
US-08-049-473-2
/ Sequence 2, Application US/08049473
/ Patent No. 5386021
/ GENERAL INFORMATION:
/ APPLICANT: Moss, Joel
/ APPLICANT: Mishima, Koichi
/ APPLICANT: Nightingale, Maria
/ APPLICANT: Tsuchiya, Mikako
/ TITLE OF INVENTION: A MAMMALIAN GUANIN NUCLEOTIDE BINDING
/ TITLE OF INVENTION: PROTEIN WITH AN ADP-RIBOSYLATION FACTOR DOMAIN
/ NUMBER OF SEQUENCES: 34
```


;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: KNOBBE, MARTENS, OLSON AND BEAR
;; STREET: 620 NEWPORT CENTER DRIVE SIXTEENTH FLOOR
;; CITY: NEWPORT BEACH
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 92660
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/049,473
;; FILING DATE: 19930419
;; CLASSIFICATION: 436
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Fuller, Michael L.
;; REGISTRATION NUMBER: 36,516
;; REFERENCE/DOCKET NUMBER: NIH050.001CP1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-235-8550
;; TELEFAX: 619-235-0176
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 574 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-049-473-2

Query Match 56.2%; Score 41; DB 1; Length 574;
Best Local Similarity 28.6%; Pred. NO. 1.6e+02;
Matches 8; Conservative 1; Mismatches 3; Indels 16; Gaps 1;

QY 2 GVC-----CGXXLCHXC 13
|||
Db 32 GVCEDVFSLOGDKVPRLLLCGHTVCHDC 59

RESULT 7
US-08-312-648-2
;; Sequence 2, Application US/08312648
;; Patent No. 5514600
;; GENERAL INFORMATION:
;; APPLICANT: Moss, Joel
;; APPLICANT: Mishima, Koichi
;; APPLICANT: Nightingale, Maria
;; APPLICANT: Tsuchiya, Mikako
;; TITLE OF INVENTION: A MAMMALIAN GUANIN NUCLEOTIDE BINDING
;; TITLE OF INVENTION: PROTEIN WITH AN ADP-RIBOSYLATION FACTOR DOMAIN
;; NUMBER OF SEQUENCES: 34
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: KNOBBE, MARTENS, OLSON AND BEAR
;; STREET: 620 NEWPORT CENTER DRIVE SIXTEENTH FLOOR
;; CITY: NEWPORT BEACH
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 92660
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/312,648
;; FILING DATE:
;; CLASSIFICATION: 436
;; PRIOR APPLICATION NUMBER: 08/049,473
;; FILING DATE: 19-APR-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Fuller, Michael L.

;; REGISTRATION NUMBER: 36,516
;; REFERENCE/DOCKET NUMBER: NIH050.001DV1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-235-8550
;; TELEFAX: 619-235-0176
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 574 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-312-648-2

Query Match 56.2%; Score 41; DB 1; Length 574;
Best Local Similarity 28.6%; Pred. NO. 1.6e+02;
Matches 8; Conservative 1; Mismatches 3; Indels 16; Gaps 1;

QY 2 GVC-----CGXXLCHXC 13
|||
Db 32 GVCEDVFSLOGDKVPRLLLCGHTVCHDC 59

RESULT 8
PCT-US94-04190-2
;; Sequence 2, Application PC/TUS9404190
;; GENERAL INFORMATION:
;; APPLICANT: The Government of the United States of America
;; APPLICANT: as represented by the Secretary, Department
;; APPLICANT: of Health and Human Services
;; TITLE OF INVENTION: A MAMMALIAN GUANIN NUCLEOTIDE BINDING
;; TITLE OF INVENTION: PROTEIN WITH AN ADP-RIBOSYLATION FACTOR DOMAIN
;; NUMBER OF SEQUENCES: 34
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: KNOBBE, MARTENS, OLSON AND BEAR
;; STREET: 620 NEWPORT CENTER DRIVE SIXTEENTH FLOOR
;; CITY: NEWPORT BEACH
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 92660
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US94/04190
;; FILING DATE:
;; CLASSIFICATION:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Fuller, Michael L.
;; REGISTRATION NUMBER: 36,516
;; REFERENCE/DOCKET NUMBER: NIH050.001QPC
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-235-8550
;; TELEFAX: 619-235-0176
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 574 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; PCT-US94-04190-2

Query Match 56.2%; Score 41; DB 5; Length 574;
Best Local Similarity 28.6%; Pred. NO. 1.6e+02;
Matches 8; Conservative 1; Mismatches 3; Indels 16; Gaps 1;

QY 2 GVC-----CGXXLCHXC 13
|||
Db 32 GVCEDVFSLOGDKVPRLLLCGHTVCHDC 59

RESULT 9

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US-09-738-884-1
; Sequence 1, Application US/09738884
; Patent No. 6391606
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000849
; CURRENT APPLICATION NUMBER: US/09/738,884
; CURRENT FILING DATE: 2000-12-18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2211
; TYPE: PRT
; ORGANISM: Human
US-09-738-884-1

Query Match      53.4%; Score 39; DB 4; Length 2211;
Best Local Similarity 50.0%; Pred. No. 9.2e+02;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy      2 GVCCGXXLCHXC 13
Db      1168 GCCCGCCACCTC 1179

RESULT 10
US-09-073-407-9
; Sequence 9, Application US/09073407
; Patent No. 6232065
; GENERAL INFORMATION:
; APPLICANT: Robinson, Daniel R.
; APPLICANT: Kung, Hsing-Jien
; TITLE OF INVENTION: ANALYSIS OF GENE FAMILY EXPRESSION
; FILE REFERENCE: CASE-03147
; CURRENT APPLICATION NUMBER: US/09/073,407
; CURRENT FILING DATE: 1998-05-06
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-073-407-9

Query Match      52.7%; Score 38.5; DB 3; Length 26;
Best Local Similarity 46.2%; Pred. No. 25;
Matches 6; Conservative 1; Mismatches 5; Indels 1; Gaps 1;

Qy      1 NGVCCGXXLCHXC 13
Db      15 NGMCCAAA-CRTC 26

RESULT 11
US-09-073-407-12
; Sequence 12, Application US/09073407
; Patent No. 6232065
; GENERAL INFORMATION:
; APPLICANT: Robinson, Daniel R.
; APPLICANT: Kung, Hsing-Jien
; TITLE OF INVENTION: ANALYSIS OF GENE FAMILY EXPRESSION
; FILE REFERENCE: CASE-03147
; CURRENT APPLICATION NUMBER: US/09/073,407
; CURRENT FILING DATE: 1998-05-06
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-073-407-12

Query Match      52.7%; Score 38.5; DB 3; Length 26;
Best Local Similarity 46.2%; Pred. No. 25;
Matches 6; Conservative 1; Mismatches 5; Indels 1; Gaps 1;

Qy      1 NGVCCGXXLCHXC 13
Db      15 NGMCCAAA-CRTC 26

RESULT 12
US-08-724-394A-8
; Sequence 8, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Krommal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; TITLE OF INVENTION: Sequences and Antibodies Thereto
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 485 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 1..485
; OTHER INFORMATION: /note= "RoRet"
US-08-724-394A-8

Query Match      52.1%; Score 38; DB 2; Length 485;
Best Local Similarity 55.6%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      5 CGXXLCHXC 13
Db      31 CGHSYCHLC 39
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-073-407-12

Query Match      52.7%; Score 38.5; DB 3; Length 26;
Best Local Similarity 46.2%; Pred. No. 25;
Matches 6; Conservative 1; Mismatches 5; Indels 1; Gaps 1;

Qy      1 NGVCCGXXLCHXC 13
Db      15 NGMCCATA-CRTC 26

RESULT 12
US-08-724-394A-8
; Sequence 8, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Krommal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; TITLE OF INVENTION: Sequences and Antibodies Thereto
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 485 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 1..485
; OTHER INFORMATION: /note= "RoRet"
US-08-724-394A-8

Query Match      52.1%; Score 38; DB 2; Length 485;
Best Local Similarity 55.6%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      5 CGXXLCHXC 13
Db      31 CGHSYCHLC 39
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RESULT 13
US-07-906-349A-6
; Sequence 6, Application US/07906349A
; Patent No. 5434064
; GENERAL INFORMATION:
; APPLICANT: Schllessinger, Joseph
; APPLICANT: Skolnik, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: A NOVEL EXPRESSION-CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE KINASES AND
; TITLE OF INVENTION: TARGET PROTEINS
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07906349A
; FILING DATE: 30-JUN-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/643,237
; FILING DATE: 18-JAN-1991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 801 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
US-07-906-349A-6
Query Match 52.1%; Score 38; DB 1; Length 801;
Best Local Similarity 50.0%; Pred. No. 5.3e+02;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 2 GVCCGXXLCHXC 13
Db 339 GCCCGGTACC 350
RESULT 14
US-09-554-572-26
; Sequence 26, Application US/09554572
; Patent No. 6573091
; GENERAL INFORMATION:
; APPLICANT: NATURE TECHNOLOGY, INC.
; TITLE OF INVENTION: CHIMERIC VIRAL PACKAGING SIGNAL WITHOUT GAG GENE
; TITLE OF INVENTION: SEQUENCES
; FILE REFERENCE: 228.00030201
; CURRENT APPLICATION NUMBER: US/09/554,572
; CURRENT FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 26
; LENGTH: 1312
; TYPE: PRT
; ORGANISM: Murine leukemia virus
US-09-554-572-26

Query Match 52.1%; Score 38; DB 4; Length 1312;
Best Local Similarity 54.5%; Pred. No. 8e+02;
Matches 6; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 3 VCCGXXLCHXC 13
Db 90 VCCSIVLCCLC 100
RESULT 15
US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Sandman, Olga
; APPLICANT: Yue, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,767
; FILING DATE: Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0423 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1345 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1532042
US-08-977-767-3
Query Match 52.1%; Score 38; DB 2; Length 1345;
Best Local Similarity 50.0%; Pred. No. 8.2e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 4 CCGXXLCHXC 13
Db 1089 CCGTACGGC 1098
Search completed: February 13, 2004, 10:23:06
Job time : 6.61364 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 13, 2004, 10:17:06 ; Search time 6.04545 Seconds
(without alignments)
97.983 Million cell updates/sec

Title: US-09-580-201A-1

Perfect score: 51

Sequence: 1 XXXCCGXXCXXC 14

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Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40	78.4	460	1	US-08-689-974-5
2	40	78.4	460	3	US-09-058-376-5
3	40	78.4	1345	2	US-08-977-767-3
4	40	78.4	1917	4	US-09-627-650B-5
5	40	78.4	1917	4	US-09-436-063C-5
6	39	76.5	57	1	US-07-609-716-56
7	39	76.5	246	2	US-08-704-931-2
8	39	76.5	1404	4	US-08-801-308-1
9	39	76.5	2508	4	US-09-627-650B-7
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11	39	76.5	2544	4	US-09-627-650B-3
12	39	76.5	2544	4	US-09-436-063C-3
13	39	76.5	2601	4	US-09-627-650B-9
14	39	76.5	2601	4	US-09-436-063C-9
15	38	74.5	38	1	US-07-609-716-53
16	38	74.5	423	4	US-09-252-991A-25146
17	38	74.5	801	1	PCT-US96-349A-6
18	37	72.5	41	5	PCT-US96-01720-7
19	37	72.5	55	3	US-08-476-509B-46
20	37	72.5	908	4	US-08-714-741-44
21	37	72.5	1417	4	US-08-900-230-3
22	36	70.6	21	2	US-08-754-431A-10
23	36	70.6	2211	4	US-09-738-884-1
24	35	68.6	1400	4	US-08-630-915A-37
25	34	66.7	281	4	US-09-252-991A-29199
26	34	66.7	2088	4	US-09-548-372D-13
27	34	66.7	2088	4	US-09-548-367D-13

Sequence 13, Appl
Sequence 27, Appl
Sequence 8, Appl
Sequence 11370, A
Sequence 112, App
Sequence 27817, A
Sequence 32318, A
Sequence 31619, A
Sequence 20615, A
Sequence 30154, A
Sequence 21648, A
Sequence 29435, A
Sequence 23779, A
Sequence 11, Appl
Sequence 1, Appl
Sequence 1, Appl

28 34 66.7 2088 4 US-09-551-853D-13
29 33 64.7 22 1 US-08-423-399B-27
30 33 64.7 50 4 US-08-900-230-8
31 33 64.7 137 4 US-09-252-991A-31370
32 33 64.7 143 3 US-08-990-823-112
33 33 64.7 143 4 US-09-477-135A-112
34 33 64.7 149 4 US-09-252-991A-27817
35 33 64.7 149 4 US-09-252-991A-32318
36 33 64.7 152 4 US-08-952-991A-31619
37 33 64.7 164 4 US-09-432-991A-20615
38 33 64.7 164 4 US-09-252-991A-30154
39 33 64.7 175 4 US-09-252-991A-21648
40 33 64.7 258 4 US-09-252-991A-29435
41 33 64.7 915 4 US-09-252-991A-23779
42 33 64.7 1128 4 US-09-627-650B-11
43 33 64.7 1128 4 US-09-436-063C-11
44 33 64.7 1652 4 US-09-627-650B-1
45 33 64.7 1652 4 US-09-436-063C-1

ALIGNMENTS

RESULT 1

US-08-689-974-5
; Sequence 5, Application US/08689974
; Patent No. 5776732
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Murray, Lynn E.
; TITLE OF INVENTION: NOVEL HUMAN INDUCED TUMOR PROTEIN
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA: US/09/689,974
; APPLICATION NUMBER: US/09/689,974
; FILING DATE: Filed Herewith
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0113 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 460 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 310100
US-08-689-974-5

Query Match 78.4%; Score 40; DB 1; Length 460;
Best Local Similarity 50.0%; Pred. No. 41;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

CCGXXCXXC 13

Db 13 CCGSAGCALC 22

RESULT 2

US-09-058-376-5

; Sequence 5, Application US/09058376

; Patent No. 6080841

; GENERAL INFORMATION:

; APPLICANT: Au-Young, Janice

; APPLICANT: Hawkins, Phillip R.

; APPLICANT: Murray, Lynn E.

; TITLE OF INVENTION: NOVEL HUMAN INDUCED TUMOR PROTEIN

; NUMBER OF SEQUENCES: 5

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: U.S.

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq Version 1.5

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/058,376

; FILING DATE:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/689,974

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J.

; REGISTRATION NUMBER: 36,749

; REFERENCE/DOCKET NUMBER: PF-0113 US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415-845-4166

; TELEFAX: 415-845-4166

; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 460 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; IMMEDIATE SOURCE:

; LIBRARY: GenBank

; CLONE: 310100

US-09-058-376-5

Query Match 78.4%; Score 40; DB 3; Length 460;

Best Local Similarity 50.0%; Pred. No. 41;

Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 4 CCGXXXCCXC 13

Db 13 CCGSAGCALC 22

RESULT 3

US-08-977-767-3

; Sequence 3, Application US/08977767

; Patent No. 5972684

; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga

; APPLICANT: Yue, Henry

; APPLICANT: Greenwald, Sara

; APPLICANT: Corley, Neil C.

; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII

; NUMBER OF SEQUENCES: 3

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/977,767
FILING DATE: Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0423 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1345 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1532042
US-08-977-767-3

Query Match 78.4%; Score 40; DB 2; Length 1345;

Best Local Similarity 50.0%; Pred. No. 75;

Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 4 CCGXXXCCXC 13

Db 1089 CCGTAACGC 1098

RESULT 4

US-09-627-650B-5

; Sequence 5, Application US/09627650B

; Patent No. 6406872

; GENERAL INFORMATION:

; APPLICANT: Bamber, Bruce

; APPLICANT: Jorgensen, Erik

; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and

; FILE REFERENCE: 21101.000903

; CURRENT APPLICATION NUMBER: US/09/627,650B

; CURRENT FILING DATE: 2000-07-28

; PRIOR APPLICATION NUMBER: 09/436,063

; PRIOR FILING DATE: 1999-11-08

; PRIOR APPLICATION NUMBER: 60/107,727

; NUMBER OF SEQ ID NOS: 50

; SOFTWARE: Patent In Ver. 2.1

; SEQ ID NO 5

; LENGTH: 1917

; TYPE: PRT

; ORGANISM: Caenorhabditis elegans

US-09-627-650B-5

Query Match 78.4%; Score 40; DB 4; Length 1917;

Best Local Similarity 50.0%; Pred. NO. 92;

Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 4 CCGXXXCCXC 13

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Db      |||  |  |
      17 CCGTTACCTC 26

RESULT 5
US-09-436-063C-5
; Sequence 5, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; TITLE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: P-1095corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; PRIOR FILING DATE: 1999-11-08
; PRIOR FILING DATE: 1999-11-08
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1917
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-5

Query Match      78.4%; Score 40; DB 4; Length 1917;
Best Local Similarity 50.0%; Pred. No. 92;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      4 CCGXXXCXXC 13
      |||  |  |
Db      17 CCGTTACCTC 26

RESULT 6
US-07-609-716-56
; Sequence 56, Application US/07609716
; Patent No. 5514581
; GENERAL INFORMATION:
; APPLICANT: Ferrari, Franco A.
; APPLICANT: Cappello, Joseph
; TITLE OF INVENTION: Functional Recombinantly Prepared
; TITLE OF INVENTION: Synthetic Protein Polymer
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: US
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/609,716
; FILING DATE: 06-NOV-1990
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Rowland, Bertram I
; REGISTRATION NUMBER: 20015
; REFERENCE/DOCKET NUMBER: A-55186-3/BIR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-398-3249
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 57 amino acids
; TYPE: amino acid
; STRANDEDNESS: single

Query Match      76.5%; Score 39; DB 2; Length 246;
Best Local Similarity 50.0%; Pred. No. 39;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      4 CCGXXXCXXC 13
      |||  |  |
Db      203 CCGGECACDC 212

RESULT 8
US-08-801-308-1
; Sequence 1, Application US/08801308
; Patent No. 6368790
; GENERAL INFORMATION:
; APPLICANT: Scott, Robert E.
; TITLE OF INVENTION: CDNA ENCODING P2P PROTEINS AND USE OF
; TITLE OF INVENTION: P2P CDNA-DERIVED ANTIBODIES AND ANTISENSE REAGENTS IN
```

TITLE OF INVENTION: DETERMINING THE PROLIFERATIVE POTENTIAL OF NORMAL,
TITLE OF INVENTION: ABNORMAL AND CANCER CELLS IN ANIMALS AND HUMANS
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:

ADDRESSEE: Weiser & Associates, P.C.
STREET: 230 S. Fifteenth Street, Suite 500
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19102

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/801.308
FILING DATE: 18-FEB-1997
CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:
NAME: Weiser, Gerard J.
REGISTRATION NUMBER: 19,763
REFERENCE/DOCKET NUMBER: 372.6435P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-875-8383

TELEFAX: 215-875-8394
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1404 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-801-308-1

Query Match 76.5%; Score 39; DB 4; Length 1404;
Best Local Similarity 50.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 CCGXXXCXXC 13
||| |
DB 76 CCGNSSCDEC 85

RESULT 9

US-09-627-650B-7
Sequence 7, Application US/09627650B
Patent No. 6406872
GENERAL INFORMATION:

APPLICANT: Bamber, Bruce
APPLICANT: Jorgensen, Erik
TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
TITLE OF INVENTION: Methods Related Thereto
FILE REFERENCE: 21101.0009U3
CURRENT APPLICATION NUMBER: US/09/627.650B
CURRENT FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 09/436,063
PRIOR FILING DATE: 1999-11-08
PRIOR APPLICATION NUMBER: 60/107,727
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7

LENGTH: 2508

TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-09-627-650B-7

Query Match 76.5%; Score 39; DB 4; Length 2508;
Best Local Similarity 50.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 CCGXXXCXXC 13
||| |

DB 830 CCGAGACCTC 839

RESULT 10

US-09-436-063C-7
Sequence 7, Application US/09436063C
Patent No. 6407210
GENERAL INFORMATION:

APPLICANT: Bamber, Bruce
APPLICANT: Jorgensen, Erik
TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
TITLE OF INVENTION: Methods Related Thereto
FILE REFERENCE: P-1095corrected
CURRENT APPLICATION NUMBER: US/09/436,063C
CURRENT FILING DATE: 1999-11-08
PRIOR APPLICATION NUMBER: 60/107727
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 2508
TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-09-436-063C-7

Query Match 76.5%; Score 39; DB 4; Length 2508;
Best Local Similarity 50.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 CCGXXXCXXC 13
||| |
DB 830 CCGAGACCTC 839

RESULT 11

US-09-627-650B-3
Sequence 3, Application US/09627650B
Patent No. 6406872
GENERAL INFORMATION:

APPLICANT: Bamber, Bruce
APPLICANT: Jorgensen, Erik
TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
TITLE OF INVENTION: Methods Related Thereto
FILE REFERENCE: 21101.0009U3
CURRENT APPLICATION NUMBER: US/09/627.650B
CURRENT FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 09/436,063
PRIOR FILING DATE: 1999-11-08
PRIOR APPLICATION NUMBER: 60/107,727
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 2544
TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-09-627-650B-3

Query Match 76.5%; Score 39; DB 4; Length 2544;
Best Local Similarity 50.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 CCGXXXCXXC 13
||| |
DB 830 CCGAGACCTC 839

RESULT 12

US-09-436-063C-3
Sequence 3, Application US/09436063C
Patent No. 6407210
GENERAL INFORMATION:

APPLICANT: Bamber, Bruce

; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematoe Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: P-1095corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; CURRENT FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
; US-09-436-063C-9

Query Match 76.5%; Score 39; DB 4; Length 2544;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 CCGXXXCXXC 13
DB 830 CCGAGACCTC 839

RESULT 13
US-09-627-650B-9
; Sequence 9, Application US/09627650B
; Patent No. 6408672
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematoe Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: 21101.000903
; CURRENT APPLICATION NUMBER: US/09/627,650B
; CURRENT FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 09/436,063
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 2601
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
; US-09-627-650B-9

Query Match 76.5%; Score 39; DB 4; Length 2601;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 CCGXXXCXXC 13
DB 830 CCGAGACCTC 839

RESULT 14
US-09-436-063C-9
; Sequence 9, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematoe Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: P-1095corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; CURRENT FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 2601
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
; US-09-436-063C-9

Query Match 76.5%; Score 39; DB 4; Length 2601;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 CCGXXXCXXC 13
DB 830 CCGAGACCTC 839

RESULT 15
US-07-609-716-53
; Sequence 53, Application US/07609716
; Patent No. 5514581
; GENERAL INFORMATION:
; APPLICANT: Ferrari, Franco A.
; APPLICANT: Cappello, Joseph
; TITLE OF INVENTION: Functional Recombinantly Prepared
; TITLE OF INVENTION: Synthetic Protein Polymer
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hombach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: US
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/609,716
; FILING DATE: 06-NOV-1990
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Rowland, Bertram I
; REGISTRATION NUMBER: 20015
; REFERENCE/DOCKET NUMBER: A-55186-3/BIR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-07-609-716-53

Query Match 74.5%; Score 38; DB 1; Length 38;
Best Local Similarity 50.0%; Pred. No. 18;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 CCGXXXCXXC 13
DB 1 CCGGTCCTC 10

Search completed: February 13, 2004, 10:23:05
Job time : 6.04545 secs